

7. Height Above Average Terrain of Antenna Centerline
8. Effective Radiated Power as Determined by Items 1 through 4

### Average Elevation Exhibit

An additional exhibit showing the average elevation of the terrain of each of the eight main radials will be required. If an outside source is used for the calculation of average terrain, a copy of this report can be substituted for the average elevation exhibit.

### **CELLULAR TELEPHONE USE**

The use of a car radio telephone via interconnect through an 800 MHz trunked radio system or other two-way radio communications system will normally require a significant amount of air time. Therefore, the use of a defeatable interconnect for radio telephone use could be allowed for systems implemented under this Regional Plan. The use of cellular telephones for automatic interconnect to the Public Switched Telephone Network is recommended. Utilization of cellular telephone networks will not impact radio systems implemented under this Plan.

## **GIVE-BACK FREQUENCIES**

All agencies participating in the use of the new 800 MHz spectrum shall prepare and submit a plan for the abandonment of their currently licensed frequencies in the lower bands. These released frequencies shall be returned to the radio service from which it was assigned. These frequencies shall then be available for reassignment/coordination criteria in effect for that particular service by the regular FCC authorized coordinator for that service.

Frequencies which are to be abandoned by an agency shall not be handed down to another agency within the respective jurisdiction. Though this may seem a convenient method to re-use existing radio equipment, the reassignment must be handled through the normal process. It is recommended that any jurisdiction wishing "to hand down" frequencies to another agency submit the proper coordination and application forms with the document of release. This will put the applicant in a better posture for reassignment of the frequency in question. It should be noted that even this procedure is followed, there is no guarantee that a particular frequency will be assigned to the returning jurisdiction.

The time frame allowed for phasing into 800 MHz and out of the lower currently licensed bands will be considered on a case by case basis by the review committee. Generally, one year will be considered acceptable in most cases, with two years as a maximum. Any agency requiring more than two years shall provide documents stating the reasons for the delay, and give the estimated time of completion.

## **ADJACENT REGIONS COORDINATION**

Coordination with adjacent regions shall be an on-going process until all regions plans have been finalized. At present, the adjacent regions with which coordination has been conducted are: Oklahoma (region 34); Texas (region 40); Louisiana (region 18); Mississippi (region 23); Kansas (region 16), Tennessee (region 39) and Missouri (region 24). See Appendix 19. As the use of five international common channels is not considered a day-to-day function, the "hard" coordination for the use of these is not considered to be necessary or advisable. The use of these channels will always be on a non-interference basis, with on-the-air coordination at the time of use when required. Any user found to be operating in any manner other than this shall be considered to be operating improperly and subject to the existing FCC rules for willful interference with the Communications of other users.

## INITIAL FREQUENCY ASSIGNMENT

### METHODOLOGY

Frequencies have been initially assigned on a county-by-county basis using **APCO/CET** program. The number of frequencies allocated to each county has been correlated to population with a minimum of 5 channels per county and an additional channel for each 25,000 population above 50,000.

Geographic coordinates of the center point of each of the seventy-five (75) counties were determined along with a radius, in miles, of a circle encompassing the majority of the area of the county, but extending less than three miles past the county boundary.

A computer model based on the Okumura Propagation Model combined the above information with a desired received signal strength of 4 dBu to generate a distribution of the most desirable frequencies by county.

After initial frequency requests are met, the frequency coordinator will assign frequencies, giving priority to the initial assignment but having the latitude to choose frequencies other than those specified by this initial distribution.

## USE OF LONG-RANGE COMMUNICATIONS

In a major emergency, where public safety entities might need long-range communications in and out of a disaster area, alternate radio communications plan are to be addressed by primary agencies within Region 4. These agencies shall include the appropriate interface to the five national channels as a minimum. Such long distance radio communications might be amateur radio operations, satellite communications and/or long-range emergency preparedness communications systems. Any or all of these systems should be incorporated in the communications plans of those primary agencies. These agencies could then communicate outside the disaster area for themselves and the smaller agencies which might need assistance. Incidents addressed in the National Public Safety Planning Advisory Committee's Plan such as earthquakes, hurricanes, floods, widespread forest fires or nuclear reactor problems could be a cause for such long-range communications needs.

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# Appendices

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## APPENDICES

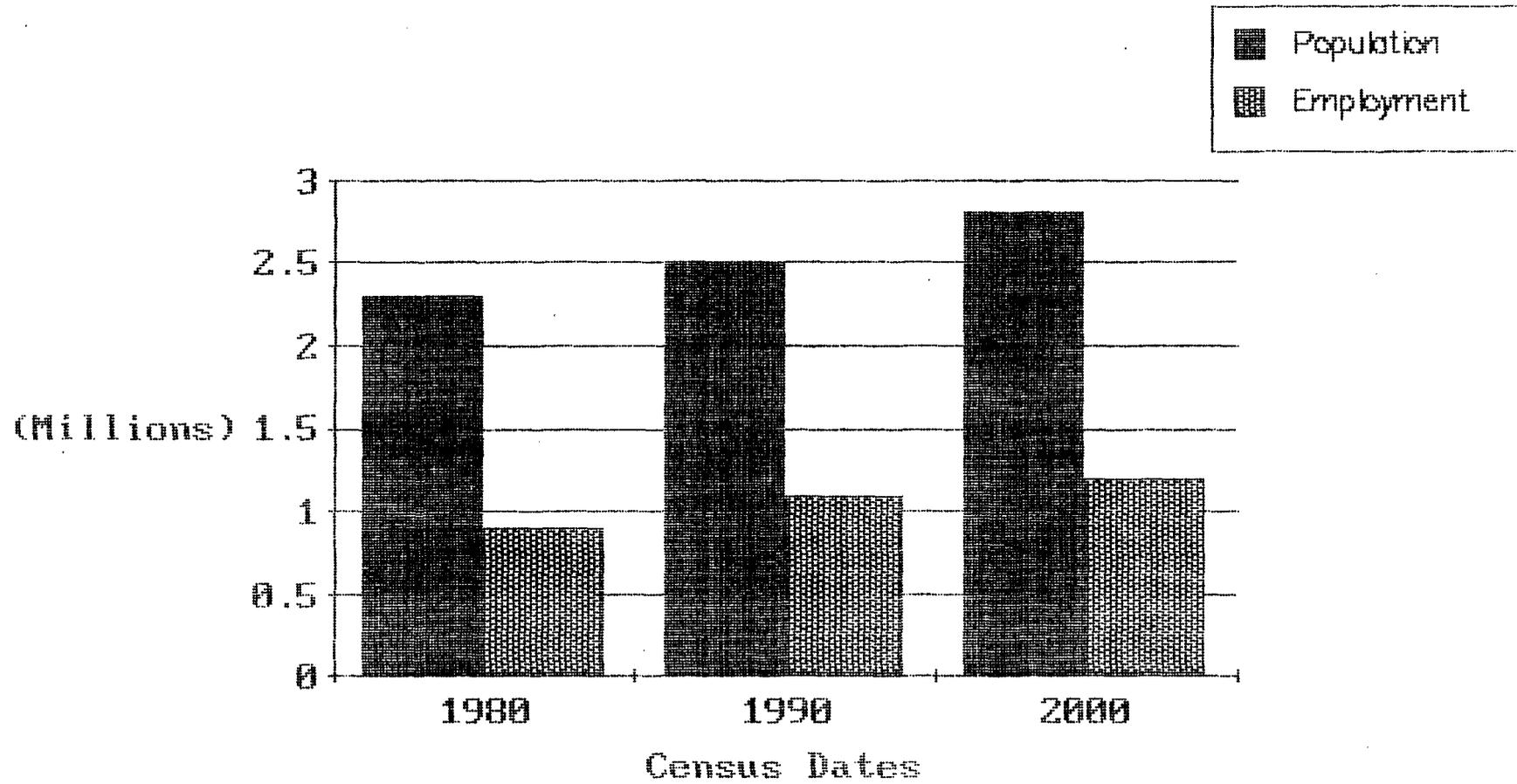
- Appendix 1 - Arkansas Area Region 4, Square Miles and Population By County
- Appendix 2 - Projected Population and Employment - Region 4
- Appendix 3 - Population Projections of Arkansas Counties 1990, 1995 and 2000
- Appendix 4 - Emergency Medical Services Information, February 1989
- Appendix 5 - Number of Full-Time Law Enforcement Employees
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APPENDIX 1  
AREA AND POPULATION

County	Land Area 1980 (Sq. mi.)	Total Persons	County	Land Area 1980 (Sq. Mi.)	Total Persons
Arkansas	52,078	2,286,435			
Arkansas	1,006	24,175	Lee	602	15,539
Ashley	934	26,538	Lincoln	562	13,369
Baxter	546	27,409	Little River	516	13,952
Benton	843	78,115	Logan	717	20,144
Boone	584	26,067	Lonoke	783	34,518
Bradley	654	13,803	Madison	837	11,373
Calhoun	628	6,079	Marion	587	11,334
Carroll	634	16,203	Miller	619	37,766
Chicot	649	17,793	Mississippi	896	59,517
Clark	867	23,326	Monroe	609	14,052
Clay	641	20,616	Montgomery	774	7,771
Cleburne	551	16,909	Nevada	620	11,097
Cleveland	599	7,868	Newton	823	7,756
Columbia	767	26,644	Ouachita	737	30,541
Conway	558	19,505	Perry	550	7,266
Craighead	713	63,239	Phillips	685	34,772
Crawford	594	36,892	Pike	598	10,373
Crittenden	599	49,499	Poinsett	762	27,032
Cross	622	20,434	Polk	860	17,007
Dallas	668	10,515	Pope	820	39,021
Desha	746	19,760	Prairie	656	10,140
Drew	831	17,910	Pulaski	767	340,613
Faulkner	645	46,192	Randolph	656	16,834
Franklin	609	14,705	St. Francis	638	30,858
Fulton	616	9,975	Saline	725	53,161
Garland	657	70,531	Scott	896	9,685
Grant	633	13,008	Searcy	668	8,847
Greene	579	30,744	Sebastian	535	95,172
Hempstead	725	23,635	Sevier	560	14,060
Hot Spring	615	26,819	Sharp	606	14,607
Howard	574	13,459	Stone	606	9,022
Independence	763	30,147	Union	1,053	48,573
Izard	581	10,768	Van Buren	709	13,357
Jackson	633	21,646	Washington	951	100,494
Jefferson	882	90,718	White	1,040	50,835
Johnson	676	17,423	Woodruff	592	11,222
Lafayette	518	10,213	Yell	930	17,026
Lawrence	589	18,447			

SOURCE: U.S. BUREAU OF CENSUS; ARKANSAS AREA REGION 4, SQUARE MILES AND POPULATION BY COUNTY

**PROJECTED POPULATION & EMPLOYMENT - REGION 4**  
(Source: Univ. of Ark. at Little Rock,  
Research & Public Service)



## APPENDIX 3

## POPULATION PROJECTIONS OF ARKANSAS COUNTIES 1990, 1995 AND 2000

COUNTY	CENSUS 1980	ESTIMATED 1985	PROJECTED			CHANGE 1980-1990		CHANGE 1990-2000	
			1990	1995	2000	ABSOLUTE	PERCENT	ABSOLUTE	PERCENT
Arkansas	24,175	24,620	24,989	25,273	25,416	814	3.4	427	1.7
Ashley	26,538	27,210	27,916	28,567	29,053	1,378	5.2	1,137	4.1
Baxter	27,409	29,974	32,635	35,583	38,948	5,226	19.1	6,313	19.3
Benton	78,115	85,014	92,418	100,190	108,272	14,303	18.3	15,854	17.2
Boone	26,067	27,610	29,335	31,138	32,949	3,268	12.5	3,614	12.3
Bradley	13,803	14,088	14,389	14,663	14,864	586	4.3	475	3.3
Calhoun	6,079	6,261	6,452	6,619	6,766	373	6.1	314	4.9
Carroll	16,203	16,976	17,813	18,681	19,565	1,610	9.9	1,752	9.8
Chicot	17,793	18,029	18,251	18,465	18,609	458	2.6	358	2.0
Clark	23,326	24,154	24,848	25,438	25,942	1,522	6.5	1,094	4.4
Clay	20,616	20,959	21,328	21,647	21,866	712	3.5	538	2.5
Cleburne	16,909	18,552	20,357	22,310	24,392	3,448	20.4	4,035	19.8
Cleveland	7,868	8,179	8,543	8,950	9,360	675	8.6	817	9.6
Columbia	26,644	27,162	27,623	27,994	28,243	979	3.7	620	2.2
Conway	19,505	20,188	20,910	21,627	22,264	1,405	7.2	1,354	6.5
Craighead	63,239	67,212	71,071	74,594	77,785	7,832	12.4	6,714	9.5
Crawford	36,892	40,017	43,483	47,181	50,983	6,591	17.9	7,500	17.3
Crittenden	49,499	51,417	53,353	55,035	56,214	3,854	7.8	2,861	5.4
Cross	20,434	20,864	21,329	21,772	22,106	895	4.4	777	3.6
Dallas	10,515	10,782	11,020	11,229	11,419	505	4.8	399	3.6
Desha	19,760	20,512	21,262	21,972	22,597	1,502	7.6	1,335	6.3
Drew	17,910	18,906	19,943	20,960	21,907	2,033	11.4	1,964	9.9
Faulkner	46,192	51,370	56,963	62,764	68,747	10,771	23.3	11,784	20.7
Franklin	14,705	15,445	16,276	17,180	18,079	1,571	10.7	1,803	11.1
Fulton	9,975	10,406	10,857	11,321	11,789	882	8.8	932	8.6
Garland	70,531	74,470	78,503	82,511	86,450	7,972	11.3	7,947	10.1
Grant	13,008	13,888	14,865	15,893	16,914	1,857	14.3	2,049	13.8
Greene	30,744	32,332	34,045	35,775	37,457	3,301	10.7	3,412	10.0
Hempstead	23,635	24,843	26,168	27,577	29,002	2,533	10.7	2,834	10.8
Hot Spring	26,819	28,124	29,469	30,807	32,066	2,650	9.9	2,597	8.8
Howard	13,459	13,886	14,393	14,929	15,467	934	6.9	1,074	7.5
Independence	30,147	32,165	34,370	36,655	38,959	4,223	14.0	4,589	13.4
Izard	10,768	11,271	11,728	12,167	12,608	960	8.9	880	7.5
Jackson	21,646	22,133	22,572	22,923	23,182	926	4.3	610	2.7
Jefferson	90,718	94,935	98,670	101,956	104,657	7,952	8.8	5,987	6.1
Johnson	17,423	18,232	19,105	20,044	21,025	1,682	9.7	1,920	10.1
Lafayette	10,213	10,331	10,444	10,551	10,623	231	2.3	179	1.7
Lawrence	18,447	18,943	19,466	19,985	20,460	1,019	5.5	994	5.1
Lee	15,539	15,283	15,071	14,818	14,469	-468	-3.0	-602	-4.0
Lincoln	13,369	13,835	14,330	14,869	15,347	961	7.2	1,017	7.1
Little River	13,952	14,760	15,636	16,522	17,363	1,684	12.1	1,727	11.1
Logan	20,144	20,829	21,630	22,487	23,358	1,486	7.4	1,728	8.0
Lonoke	34,518	36,960	39,715	42,681	45,647	5,197	15.1	5,932	14.9
Madison	11,373	11,778	12,214	12,677	13,140	841	7.4	926	7.6
Marion	11,334	12,393	13,575	14,927	16,476	2,241	19.8	2,901	21.4
Miller	37,766	39,551	41,375	43,094	44,601	3,609	9.6	3,226	7.8
Mississippi	59,517	60,773	61,862	62,666	63,109	2,345	3.9	1,247	2.0

APPENDIX 3 (CONTINUED)

COUNTY	CENSUS 1980	ESTIMATED 1985	PROJECTED			CHANGE 1980-1990		CHANGE 1990-2000	
			1990	1995	2000	ABSOLUTE	PERCENT	ABSOLUTE	PERCENT
Monroe	14,052	13,952	13,839	13,686	13,468	-213	-1.5	-371	-2.7
Montgomery	7,771	8,147	8,563	9,020	9,488	792	10.2	925	10.8
Nevada	11,097	11,351	11,618	11,904	12,201	521	4.7	583	5.0
Newton	7,756	8,266	8,822	9,409	10,014	1,066	13.7	1,192	13.5
Ouachita	30,541	32,244	34,037	35,813	37,494	3,496	11.5	3,457	10.2
Perry	7,266	7,651	8,084	8,549	9,020	818	11.3	936	11.6
Phillips	34,772	34,734	34,694	34,516	34,109	-78	-0.2	-585	-1.7
Pike	10,373	10,764	11,213	11,675	12,145	840	8.1	932	8.3
Poinsett	27,032	27,531	28,036	28,448	28,681	1,004	3.7	645	2.3
Polk	17,007	17,670	18,426	19,242	20,076	1,419	8.3	1,650	9.0
Pope	39,021	41,979	45,197	48,483	51,700	6,176	15.8	6,503	14.4
Prairie	10,140	10,229	10,324	10,393	10,420	184	1.8	96	0.9
Pulaski	340,613	367,351	393,150	417,676	441,153	52,537	15.4	48,003	12.2
Randolph	16,834	17,874	19,028	20,296	21,608	2,194	13.0	2,580	13.6
St. Francis	30,858	31,652	32,437	33,146	33,664	1,579	5.1	1,227	3.8
Saline	53,161	58,374	64,072	70,073	76,088	10,911	20.5	12,016	18.8
Scott	9,685	9,947	10,254	10,585	10,889	569	5.9	635	6.2
Searcy	8,847	9,082	9,355	9,640	9,915	508	5.7	560	6.0
Sebastian	95,172	100,562	106,075	111,364	116,386	10,903	11.5	10,311	9.7
Sevier	14,060	14,718	15,451	16,216	16,948	1,391	9.9	1,497	9.7
Sharp	14,607	16,057	17,644	19,423	21,434	3,037	20.8	3,790	21.5
Stone	9,022	9,574	10,181	10,827	11,461	1,159	12.9	1,280	12.6
Union	48,573	50,037	51,404	52,519	53,342	2,831	5.8	1,938	3.8
Van Buren	13,357	14,517	15,767	17,102	18,523	2,410	18.0	1,756	17.5
Washington	100,494	107,660	114,504	120,973	127,218	14,010	13.9	12,714	11.1
White	50,835	53,678	56,725	59,773	62,693	5,890	11.6	5,968	10.5
Woodruff	11,222	11,316	11,409	11,480	11,505	187	1.7	96	0.8
Yell	17,026	17,539	18,098	18,654	19,184	1,072	6.3	1,086	6.0
STATE	2,286,435	2,412,078	2,540,977	2,668,552	2,791,342	254,542	11.1	250,365	9.9

Source: Census data from U.S. Bureau of the Census. Estimates and projections prepared by Demographic Research, Center for Information Services, Research and Public Service, University of Arkansas at Little Rock, March 1986.

## APPENDIX 4

EMERGENCY MEDICAL SERVICES INFORMATION - FEBRUARY 1989

County	# SVCS	# VEH	EMT	EMT-A	EMT-I	EMT-P	TOTAL PERSONNEL
Arkansas	2	7	10	17	1	1	29
Ashley	3	5	13	46	0	0	59
Baxter	1	2	39	14	0	9	62
Benton	11	19	10	128	20	14	172
Boone	2	8	11	26	0	5	42
Bradley	1	3	0	13	0	1	14
Calhoun	1	2	12	19	1	0	32
Carroll	2	4	15	24	0	8	47
Chicot	2	3	1	17	0	0	18
Clark	4	6	2	31	0	0	33
Clay	3	5	13	30	0	0	43
Cleburne	3	5	5	44	0	0	49
Cleveland	1	2	1	0	0	0	1
Columbia	2	4	10	68	0	0	78
Conway	3	4	7	14	5	1	27
Craighead	4	5	27	58	0	8	93
Crawford	1	2	11	31	11	1	53
Crittenden	4	7	12	67	0	10	89
Cross	2	4	5	20	1	0	26
Dallas	1	2	2	4	0	0	6
Desha	4	6	1	32	8	0	41
Drew	1	2	3	12	0	1	16
Faulkner	5	8	52	48	13	9	122
Franklin	2	6	6	19	1	1	27
Fullton	1	3	6	3	1	0	10
Garland	4	7	22	44	0	18	84
Grant	1	3	11	15	0	1	27
Greene	2	4	30	44	1	2	77
Hempstead	1	3	3	8	0	0	11
Hot Spring	4	7	11	22	0	1	34
Howard	2	5	15	29	0	0	44
Independence	2	4	54	32	2	0	88
Izard	3	4	17	31	0	2	50
Jackson	4	7	19	43	0	1	63
Jefferson	6	14	43	47	15	1	105
Johnson	2	4	1	13	0	2	16
Lafayette	2	4	0	4	0	0	4
Lawrence	1	3	14	56	0	4	74
Lee	1	2	5	9	0	0	14
Lincoln	5	6	3	12	0	0	15
Little River	3	3	12	19	0	0	31
Logan	1	4	4	14	5	1	24
Lonoke	5	11	47	69	0	4	120
Madison	1	2	5	8	0	9	22
Marion	2	2	17	9	0	2	28
Miller	4	6	6	24	0	10	40
Mississippi	5	7	26	29	0	7	62
Monroe	0	0	2	23	0	0	25
Montgomery	2	3	15	28	0	2	45

## APPENDIX 4 (CONTINUED)

EMERGENCY MEDICAL SERVICES INFORMATION - FEBRUARY 1989

County	# SVCS	# VEH	EMT	EMT-A	EMT-I	EMT-P	TOTAL PERSONNEL
Nevada	1	2	3	7	0	0	10
Newton	0	0	8	5	0	0	13
Ouachita	5	9	22	38	0	0	60
Perry	1	2	14	7	0	0	21
Phillips	1	3	9	13	2	0	24
Pike	4	4	9	36	0	2	47
Poinsett	4	7	7	27	0	2	36
Polk	1	1	10	18	0	1	29
Pope	1	4	16	53	24	10	103
Prairie	2	2	6	9	0	0	15
Pulaski	15	32	328	165	6	63	562
Randolph	2	3	6	11	0	2	19
St. Francis	1	3	16	18	0	9	43
Saline	3	5	124	30	2	10	166
Scott	1	2	1	2	0	0	3
Searcy	1	3	1	2	0	0	3
Sebastian	5	12	29	39	12	9	89
Sevier	1	1	12	9	0	2	23
Sharp	3	5	22	10	0	1	33
Stone	1	2	2	7	0	0	9
Union	4	8	20	75	0	0	95
Van Buren	3	5	16	15	2	0	33
Washington	3	14	23	88	3	42	156
White	2	5	36	32	5	0	73
Woodruff	2	3	4	17	0	0	21
Yell	1	3	2	8	0	0	10
TOTALS	196	397	1402	2158	141	289	3990

APPENDIX 5

NUMBER OF FULL-TIME LAW ENFORCEMENT EMPLOYEES

COUNTY/AGENCY	SWORN EMPLOYEES		TOTAL SWORN	CIVILIAN EMPLOYEES		TOTAL CIVILIAN	TOTAL EMPLOYEES
	Male	Female		Male	Female		
ARKANSAS COUNTY	33	1	34	2	8	10	44
Sheriff	8	0	8	0	0	0	8
Dewitt	10	0	10	1	3	4	14
Stuttgart	15	1	16	1	5	6	22
ASHLEY COUNTY	24	0	24	6	8	14	38
Sheriff	6	0	6	5	3	8	14
Crossett	13	0	13	1	4	5	18
Hamburg	5	0	5	0	1	1	6
BAXTER COUNTY	31	0	31	7	5	12	43
Sheriff	14	0	14	4	3	7	21
Cotter	1	0	1	0	1	1	2
Gassville	1	0	1	0	0	0	1
Mountain Home	15	0	15	3	1	4	19
BENTON COUNTY	95	7	102	11	22	33	135
Sheriff	19	0	19	7	11	18	37
Bentonville	22	3	25	0	0	0	25
Gentry	3	0	3	0	0	0	3
Gravette	3	0	3	0	0	0	3
Lowell	3	0	3	0	0	0	3
Rogers	29	4	33	3	7	10	43
Siloam Springs	16	0	16	1	4	5	21
BOONE COUNTY	23	2	25	7	4	11	36
Sheriff	8	0	8	4	3	7	15
Harrison	15	2	17	3	1	4	21
BRADLEY COUNTY	12	0	12	4	3	7	19
Sheriff	4	0	4	0	0	0	4
Warren	8	0	8	4	3	7	15
CALHOUN COUNTY	4	0	4	6	0	6	10
Sheriff	4	0	4	6	0	6	10
CARROLL COUNTY	22	2	24	5	8	13	37
Sheriff	7	0	7	4	5	9	16
Berryville	6	0	6	1	1	2	8
Eureka Springs	5	2	7	0	1	1	8
Green Forest	4	0	4	0	1	1	5

APPENDIX 5 (CONTINUED)

COUNTY/AGENCY	SWORN EMPLOYEES		TOTAL SWORN	CIVILIAN EMPLOYEES		TOTAL CIVILIAN	TOTAL EMPLOYEES
	Male	Female		Male	Female		
CHICOT COUNTY	25	1	26	8	7	15	41
Sheriff	7	1	8	3	4	7	15
Dermott	7	0	7	3	2	5	12
Eudora	5	0	5	2	1	3	8
Lake Village	6	0	6	0	0	0	6
CLARK COUNTY	30	0	30	6	10	16	46
Sheriff	9	0	9	5	5	10	19
Arkadelphia	18	0	18	0	3	3	21
Gurdon	3	0	3	1	2	3	6
CLAY COUNTY	17	0	17	4	7	11	28
Sheriff	5	0	5	0	4	4	9
Corning	7	0	7	2	2	4	11
Piggott	5	0	5	2	1	3	8
CLEBURNE COUNTY	24	1	25	6	5	11	36
Sheriff	16	1	17	4	1	5	22
Heber Springs	8	0	8	2	4	6	14
CLEVELAND COUNTY	3	0	3	1	3	4	7
Sheriff	3	0	3	1	3	4	7
COLUMBIA COUNTY	26	0	26	6	6	12	38
Sheriff	9	0	9	4	4	8	17
Magnolia	17	0	17	2	2	4	21
CONWAY COUNTY	19	0	19	1	9	10	29
Sheriff	8	0	8	1	3	4	12
Morrilton	11	0	11	0	6	6	17
CRAIGHEAD COUNTY	52	4	56	4	11	15	71
Sheriff	12	3	15	2	6	8	23
Jonesboro	40	1	41	2	5	7	48
CRAWFORD COUNTY	28	1	29	15	3	18	47
Sheriff	8	0	8	12	1	13	21
Alma4	0	4	0	2	2	6	
Van Buren	16	1	17	3	0	3	20
CRITTENDEN COUNTY	63	6	69	13	21	34	103
Sheriff	14	0	14	8	13	21	35
Earle5	0	5	0	1	1	6	
Marion	5	0	5	0	0	0	5
West Memphis	39	6	45	5	7	12	57

APPENDIX 5 (CONTINUED)

COUNTY/AGENCY	SWORN EMPLOYEES		TOTAL SWORN	CIVILIAN EMPLOYEES		TOTAL CIVILIAN	TOTAL EMPLOYEES
	Male	Female		Male	Female		
CROSS COUNTY	22	1	23	4	8	12	35
Sheriff	7	1	8	4	7	11	19
Wynne	15	0	15	0	1	1	16
DALLAS COUNTY	9	0	9	0	9	9	18
Sheriff	4	0	4	0	5	5	9
Fordyce	5	0	5	0	4	4	9
DESHA COUNTY	22	1	23	3	12	15	38
Sheriff	6	0	6	0	4	4	10
Dumas	10	0	10	3	4	7	17
McGehee	6	1	7	0	4	4	11
DREW COUNTY	21	2	23	0	4	4	27
Sheriff	6	0	6	0	3	3	9
Monticello	15	2	17	0	1	1	18
FAULKNER COUNTY	49	2	51	8	12	20	71
Sheriff	9	0	9	6	6	12	21
Conway	39	2	41	2	6	8	49
Vilonia	1	0	1	0	0	0	1
FRANKLIN COUNTY	12	0	12	4	8	12	24
Sheriff	7	0	7	4	6	10	17
Ozark	5	0	5	0	2	2	7
FULTON COUNTY	3	0	3	0	3	3	6
Sheriff	3	0	3	0	3	3	6
GARLAND COUNTY	86	1	87	24	24	48	135
Sheriff	22	0	22	19	12	31	53
Hot Springs	64	1	65	5	12	17	82
GRANT COUNTY	10	0	10	3	1	4	14
Sheriff	5	0	5	3	1	4	9
Sheridan	5	0	5	0	0	0	5
GREENE COUNTY	35	1	36	4	7	11	47
Sheriff	10	0	10	4	3	7	17
Paragould	25	1	26	0	4	4	30
HEMPSTEAD COUNTY	23	1	24	5	6	11	35
Sheriff	8	0	8	2	3	5	13
Hope	15	1	16	3	3	6	22

APPENDIX 5 (CONTINUED)

COUNTY/AGENCY	SWORN EMPLOYEES		TOTAL SWORN	CIVILIAN EMPLOYEES		TOTAL CIVILIAN	TOTAL EMPLOYEES
	Male	Female		Male	Female		
HOT SPRING COUNTY	23	0	23	6	10	16	39
Sheriff	8	0	8	5	4	9	17
Malvern	15	0	15	1	6	7	22
HOWARD COUNTY	13	0	13	0	7	7	20
Sheriff	6	0	6	0	6	6	12
Nashville	7	0	7	0	1	1	8
INDEPENDENCE CTY.	24	1	25	5	9	14	39
Sheriff	24	1	25	5	9	14	39
IZARD COUNTY	13	1	14	3	0	3	17
Sheriff	8	1	9	2	0	2	11
Horseshoe Bend	5	0	5	1	0	1	6
JACKSON COUNTY	24	2	26	3	9	12	38
Sheriff	10	1	11	3	3	6	17
Newport	14	1	15	0	6	6	21
JEFFERSON COUNTY	135	8	143	10	33	43	186
Sheriff	30	3	33	7	7	14	47
Pine Bluff	105	5	110	3	26	29	139
JOHNSON COUNTY	13	0	13	4	7	11	24
Sheriff	6	0	6	3	2	5	11
Clarksville	7	0	7	1	5	6	13
LAFAYETTE COUNTY	5	0	5	0	4	4	9
Sheriff	5	0	5	0	4	4	9
LAWRENCE COUNTY	15	0	15	10	3	13	28
Sheriff	5	0	5	4	1	5	10
Hoxie	4	0	4	4	0	4	8
Walnut Ridge	6	0	6	2	2	4	10
LEE COUNTY	17	0	17	3	7	10	27
Sheriff	6	0	6	2	4	6	12
Marianna	11	0	11	1	3	4	15
LINCOLN COUNTY	7	0	7	0	5	5	12
Sheriff	4	0	4	0	5	5	9
Star City	3	0	3	0	0	0	3

APPENDIX 5 (CONTINUED)

COUNTY/AGENCY	SWORN EMPLOYEES		TOTAL SWORN	CIVILIAN EMPLOYEES		TOTAL CIVILIAN	TOTAL EMPLOYEES
	Male	Female		Male	Female		
LITTLE RIVER CTY.	13	0	13	1	5	6	19
Sheriff	6	0	6	1	4	5	11
Ashdown	7	0	7	0	1	1	8
LOGAN COUNTY	17	1	18	5	5	10	28
Sheriff	4	1	5	0	1	1	6
Booneville	7	0	7	1	3	4	11
Paris	6	0	6	4	1	5	11
LONOKE COUNTY	31	1	32	9	19	28	60
Sheriff	8	1	9	4	5	9	18
Cabot	8	0	8	0	5	5	13
Carlisle	4	0	4	3	1	4	8
England	5	0	5	1	4	5	10
Lonoke	6	0	6	1	4	5	11
MADISON COUNTY	10	0	10	3	4	7	17
Sheriff	6	0	6	3	3	6	12
Huntsville	4	0	4	0	1	1	5
MARION COUNTY	9	0	9	4	1	5	14
Sheriff	5	0	5	4	1	5	10
Bull Shoals	2	0	2	0	0	0	2
Yellville	2	0	2	0	0	0	2
MILLER COUNTY	59	6	65	2	7	9	74
Sheriff	13	1	14	0	3	3	17
Texarkana	46	5	51	2	4	6	57
MISSISSIPPI CTY.	75	7	82	10	19	29	111
Sheriff	23	0	23	5	8	13	36
Blytheville	34	5	39	3	7	10	49
Osceola	18	2	20	2	4	6	26
MONROE COUNTY	16	0	16	4	9	13	29
Sheriff	5	0	5	3	5	8	13
Brinkley	11	0	11	1	4	5	16
MONTGOMERY CTY.	5	0	5	4	0	4	9
Sheriff	5	0	5	4	0	4	9
NEVADA COUNTY	9	0	9	2	5	7	16
Sheriff	3	0	3	1	4	5	8
Prescott	6	0	6	1	1	2	8

APPENDIX 5 (CONTINUED)

COUNTY/AGENCY	SWORN EMPLOYEES		TOTAL SWORN	CIVILIAN EMPLOYEES		TOTAL CIVILIAN	TOTAL EMPLOYEES
	Male	Female		Male	Female		
NEWTON COUNTY	4	0	4	3	0	3	7
Sheriff	4	0	4	3	0	3	7
OUACHITA COUNTY	37	1	38	7	10	17	55
Sheriff	10	0	10	6	2	8	18
Camden	27	1	28	1	8	9	37
PERRY COUNTY	5	0	5	3	1	4	9
Sheriff	5	0	5	3	1	4	9
PHILLIPS COUNTY	40	2	42	9	11	20	62
Sheriff	8	0	8	5	6	11	19
Elaine	1	0	1	0	0	0	1
Helena	15	0	15	2	4	6	21
West Helena	16	2	18	2	1	3	21
PIKE COUNTY	7	1	8	0	0	0	8
Sheriff	7	1	8	0	0	0	8
POINSETT COUNTY	20	0	20	9	8	17	37
Sheriff	8	0	8	4	4	8	16
Marked Tree	4	0	4	2	2	4	8
Trumann	8	0	8	3	2	5	13
POLK COUNTY	13	0	13	6	4	10	23
Sheriff	5	0	5	4	1	5	10
Mena	8	0	8	2	3	5	13
POPE COUNTY	40	1	41	8	22	30	71
Sheriff	17	0	17	7	13	20	37
Atkins	3	0	3	0	0	0	3
Russellville	20	1	21	1	9	10	31
PRAIRIE COUNTY	12	1	13	2	8	10	23
Sheriff	4	1	5	1	5	6	11
Des Arc	3	0	3	0	1	1	4
DeValls Bluff	1	0	1	0	0	0	1
Hazen	4	0	4	1	2	3	7
PULASKI COUNTY	629	42	671	141	139	280	951
Sheriff	101	5	106	105	37	142	248
Jacksonville	38	5	43	2	12	14	57
Little Rock	310	13	323	17	42	59	382
Maumelle	12	0	12	4	1	5	17
No. Little Rock	107	10	117	8	27	35	152
Sherwood	29	3	32	4	8	12	44
UALR Pub. Safety	13	3	16	0	1	1	17
UAMS Pub. Safety	19	3	22	1	11	12	34

## APPENDIX 5 (CONTINUED)

COUNTY/AGENCY	SWORN EMPLOYEES		TOTAL SWORN	CIVILIAN EMPLOYEES		TOTAL CIVILIAN	TOTAL EMPLOYEES
	Male	Female		Male	Female		
RANDOLPH COUNTY	17	1	18	2	4	6	24
Sheriff	7	0	7	0	2	2	9
Pocahontas	10	1	11	2	2	4	15
ST. FRANCIS CTY.	32	0	32	6	16	22	54
Sheriff	9	0	9	5	10	15	24
Forrest City	23	0	23	1	6	7	30
SALINE COUNTY	44	4	48	9	11	20	68
Sheriff	19	1	20	5	7	12	32
Benton	21	3	24	3	4	7	31
Bryant	4	0	4	1	0	1	5
SCOTT COUNTY	8	0	8	4	2	6	14
Sheriff	4	0	4	4	2	6	10
Waldron	4	0	4	0	0	0	4
SEARCY COUNTY	4	0	4	3	1	4	8
Sheriff	4	0	4	3	1	4	8
SEBASTIAN COUNTY	130	2	132	34	32	66	198
Sheriff	19	0	19	13	12	25	44
Barling	6	0	6	1	0	1	7
Fort Smith	102	2	104	20	20	40	144
Greenwood	3	0	3	0	0	0	3
SEVIER COUNTY	15	0	15	2	4	6	21
Sheriff	7	0	7	2	2	4	11
DeQueen	8	0	8	0	2	2	10
SHARP COUNTY	4	1	5	2	3	5	10
Sheriff	4	1	5	2	3	5	10
STONE COUNTY	5	0	5	4	2	6	11
Sheriff	5	0	5	4	2	6	11
UNION COUNTY	65	1	66	4	11	15	81
Sheriff	18	0	18	3	2	5	23
El Dorado	43	1	44	1	8	9	53
Smackover	4	0	4	0	1	1	5
VAN BUREN COUNTY	6	0	6	2	6	8	14
Sheriff	6	0	6	2	6	8	14

APPENDIX 5 (CONTINUED)

COUNTY/AGENCY	SWORN EMPLOYEES		TOTAL SWORN	CIVILIAN EMPLOYEES		TOTAL CIVILIAN	TOTAL EMPLOYEES
	Male	Female		Male	Female		
WASHINGTON CTY.	155	14	169	8	21	29	198
Sheriff	36	7	43	0	1	1	44
Farmington	3	0	3	1	0	1	4
Fayetteville	48	3	51	2	6	8	59
Johnson	2	0	2	0	0	0	2
Lincoln	3	0	3	0	0	0	3
Prairie Grove	4	0	4	1	0	1	5
Springdale	40	3	43	3	9	12	55
UA Fayetteville	17	1	18	1	5	6	24
West Fork	2	0	2	0	0	0	2
WHITE COUNTY	46	1	47	12	23	35	82
Sheriff	14	0	14	6	10	16	30
Bald Knob	4	0	4	3	2	5	9
Beebe	3	0	3	0	5	5	8
Bradford	3	0	3	0	0	0	3
Judsonia	2	0	2	0	1	1	3
Kensett	2	0	2	0	0	0	2
Searcy	18	1	19	3	5	8	27
WOODRUFF COUNTY	7	0	7	1	6	7	14
Sheriff	4	0	4	1	6	7	11
McCrary	3	0	3	0	0	0	3
YELL COUNTY	11	0	11	3	11	14	25
Sheriff	4	0	4	3	6	9	13
Danville	2	0	2	0	1	1	3
Dardanelle	5	0	5	0	4	4	9
STATE POLICE	441	11	452	70	91	161	613
STATE TOTAL	3,153	144	3,297	609	849	1,458	4,755

APPENDIX 6  
 REGION 4  
 Uniform Crime Reporting  
 1978-1987

Year	Population Estimate	Pop. Rep. By UCR Reporting	Avg. No. Of Agencies/Month	Change In No. Of Agencies	Index Offenses	Change In Index Offenses	Crime Rate Per 100,000	Change In Crime Rate
1978	2,186,000	93.7% (2,048,061)	169	+13.4% (20)	72,823	+7.1%	3,555.5	+0.8%
1979	2,179,800	96.6% (2,105,899)	187	+10.7% (18)	77,530	+6.5%	3,681.6	+3.5%
1980	2,285,513	98.2% (2,243,998)	197	+5.3% (10)	86,396	*	3,850.1	*
1981	2,286,435	96.5% (2,205,672)	191	-3.0% (-6)	86,215	-0.2%	3908.8	+1.5%
1982	2,294,000	97.8% (2,243,091)	195	+2.1% (+4)	88,583	+2.7%	3949.1	+1.0%
1983	2,291,000	99.4% (2,276,306)	196	+0.5% (+1)	81,716	-7.8%	3589.9	-9.1%
1984	2,328,000	98.9% (2,302,548)	195	-0.5% (-1)	79,049	-3.3%	3433.1	-4.4%
1985	2,359,000	99.4% (2,344,913)	193	-1.1% (-1)	84,952	+7.5%	3622.8	+6.1%
1986	2,372,000	98.7% (2,340,826)	190	-1.6% (-3)	93,320	+9.9%	3986.6	+10.0%
1987	2,388,000	98.9% (2,361,743)	185	-2.6% (-5)	100,986	+8.2%	4275.9	+7.3%

\*Arson is included in Index Offenses beginning in 1980.

SOURCE: ARKANSAS CRIME INFORMATION CENTER

APPENDIX 7

FIRE SERVICE ORGANIZATIONS BY COUNTY AND JURISDICTIONS

<u>FIRE DEPARTMENT</u>	<u>CITY</u>	<u>FIRE DEPARTMENT</u>	<u>CITY</u>
<u>ARKANSAS CITY</u>		<u>ASHLEY COUNTY</u>	
Almyra	Almyra	Hamburg	Hamburg
Gillett	Gillett	Montrose	Montrose
St. Charles	St. Charles	North Crossett	Crossett
Casscoe	Casscoe	Parkdale	Parkdale
Alcorn	Humphrey	Portland	Portland
Tichnor Vol.	Tichnor	West Crossett	Crossett
Dewitt	Dewitt	Wilmot	Wilmot
Stuttgart	Stuttgart		
<u>BOONE COUNTY</u>		<u>BRADLEY COUNTY</u>	
Alpena	Alpena	Hermitage	Hermitage
Bergman Vol.	Bergman	Bradley County	Warren
National Park Serv.	Harrison	Warren	Warren
Capps-Batavia	Harrison	Banks Vol.	Banks
Krooked Kreek	Marble Falls	County Line	Warren
Diamond City	Diamond City	Pleasantville Rural	Warren
Harmon	Harrison		
Lead Hill Vol.	Lead Hill		
Omaha	Omaha		
Valley Springs	Valley Springs		
Hill Top Val.	Harrison		
Zinc	Harrison		
Cottonwood Rural	Harrison		
Harrison	Harrison		
<u>CALHOUN COUNTY</u>		<u>CARROLL COUNTY</u>	
Hampton	Harrell	Berryville	Berryville
Harrell	Harrell	Eureka Springs	Eureka Springs
Locust Bayou	Camden	Inspiration Point	Eureka Springs
Thornton	Thornton	Green Forest	Green Forest
Tinsman Vol.	Tinsman	Holiday Island	Holiday Island
Chambersville Vol.	Thornton	Oak Grove	Oak Grove
		Beaver Town	Beaver
		Grassyknob	Eureka Springs
		Southern Carroll Cty	Berryville

APPENDIX 7 (CONTINUED)

FIRE DEPARTMENT

CITY

FIRE DEPARTMENT

CITY

CHICOT COUNTY

Dermott  
Eudora  
Lake Village  
Fawnwood Vol.  
Collins & Cominto

Dermott  
Eudora  
Lake Village  
Lake Village  
Dermott

CLARK COUNTY

Amity  
Caddo Valley  
Gum Springs  
Gurdon  
Okolona  
East Clark County  
Whelen Springs  
Curtis  
Beirne  
Arkadelphia  
Hollywood Rural  
Degray Rural  
Caddo Gap Vol.

Amity  
Arkadelphia  
Arkadelphia  
Gurdon  
Okolona  
Arkadelphia  
Whelen Springs  
Curtis  
Beirne  
Arkadelphia  
Arkadelphia  
Arkadelphia  
Caddo Gap

CLAY COUNTY

Corning  
Greenway  
Piggott  
Pollard  
Rector  
St. Francis  
Success  
Peach Orchard  
McDougal

Corning  
Greenway  
Piggott  
Pollard  
Rector  
Piggott  
Success  
Peach Orchard  
McDougal

CLEBURNE COUNTY

Concord  
Greers Ferry  
Quitman  
Tumbling Shoals-Ida  
Hopewell  
Drasco Vol.  
Prim  
Good Spgs & Pine Snag  
Wilburn  
Heber Springs

Concord  
Greers Ferry  
Quitman  
Tumbling Shoal  
Rose Bud  
Drasco  
Edgemont  
Heber Springs  
Wilburn  
Heber Springs

CLEVELAND COUNTY

Kingsland  
Rison  
Trucksville  
Woodlawn Vol.  
Y-Community  
New Edinburg Vol.  
Highway 35 South

Kingsland  
Rison  
Rison  
Rison  
Rison  
New Edinburg  
Rison

COLUMBIA COUNTY

Emerson  
McNeil  
Taylor  
Waldo  
Village  
Mt. Vernon Vol.  
Walkerville  
Walker Creek  
Rudd Crossing Vol.  
Magnolia  
Macedonia-Dorcheat

Emerson  
McNeil  
Taylor  
Waldo  
Village  
Magnolia  
Emerson  
Taylor  
Magnolia  
Magnolia  
Magnolia

CONWAY COUNTY

Center Ridge  
Conway Cty Dist #1  
Conway Cty Dist #2  
Conway Cty Dist #3  
Conway Cty Dist #4

Center Ridge  
Springfield  
Jerusalem  
Springfield  
Hattievville

CRAIGHEAD COUNTY

Bay  
Black Oak  
Bono  
Brookland Vol.  
Caraway

Bay  
Black Oak  
Bono  
Brookland  
Caraway

APPENDIX 7 (CONTINUED)

FIRE DEPARTMENT

CITY

CONWAY COUNTY (CONT.)

Conway Cty Dist #5	Morrilton
Conway Cty Dist #6	Cleveland
Morrilton	Morrilton
Oppelo	Morrilton
Plummerville	Plummerville
Conway Cyt Dist #8	Plummerville
Menifee	Menifee
Overcup Vol.	Morrilton

CRAWFORD COUNTY

Alma	Alma
Cedarville	Cedarville
Dyer	Dyer
Crawford Cty Dist 7	Alma
Mountainburg #3	Mountainburg
Mulberry #2	Mulberry
BDR District #1	Rudy
Van Buren	Van Buren
Crawford Cty #6	Van Buren
Graphic Comm. Vol.	Mountainburg
Pine Mtn Vol. #4	Natural Dam
Crawford Cty Dist 5	Van Buren
Boston Mountain	Winslow

CROSS COUNTY

Cherry Village	Cherry Valley
Hickory Ridge	Hickory Ridge
Parkin	Parkin
Vanndale	Wynne
Wynne	Wynne
Fair Oaks	Fair Oaks

DESHA COUNTY

Arkansas City	Arkansas City
Dumas	Dumas
Mitchellville	Dumas
Watson	Watson
Kelso-Rohwer	Rohwer
Reed	Reed
McGehee	McGehee

FIRE DEPARTMENT

CITY

CRAIGHEAD COUNTY (CONT.)

Cash	Cash
Farrville Vol.	Jonesboro
Lake City	Lake City
Monette	Monette
Philadelphia	Jonesboro
Southridge Vol.	Jonesboro
Jonesboro	Jonesboro
Egypt Vol.	Egypt
Valley View	Jonesboro

CRITTENDEN COUNTY

Crawfordsville	Crawfordsville
Earle	Earle
Marion Vol.	Marion
Sunset	Sunset
Turrell	Turrell
Heafer-E Blk Oak Vol.	Tyronza
West Memphis	West Memphis
Gilmore	Gilmore

DALLAS COUNTY

Carthage	Carthage
Cooterneck	Fordyce
Fordyce	Fordyce
Sparkman	Sparkman
Holly Springs	Sparkman
Ouachita Area Vol.	Sparkman

DREW COUNTY

Tillar	Tillar
Wilmar	Wilmar
Winchester	Winchester
Monticello	Monticello